

Figure 1

1	GmANT1	MKRINEENNNT	DDGNHNWLG	FSLSPHM...	.....KMEAT	SAATVPTTFY	50
	GmANT2	MKSMENDDNA	DLGNONWLG	FSLSPOMHNI	GVSSHQSPSS	AAEVPTTFY	
	ANT	MKSFCNDNDN	NHSTNTNLLG	FSLSNMMKM	GORGCREALY	SSSTSSAATS	
51	GmANT1	MSPSQSHL...	.....SNFGMC	YGV.GENGNF	HSPLYVMPLK	SDGSILCILEA	100
	GmANT2	HHTAP..L...	....SSYGFY	YGLEAENVGL	YSGALPIMPLK	SDGSLYGLET	
	ANT	SSSVPPQLVV	GDNTSNFGVC	YG.SNPNGGI	YSHMSVMPLR	SDGSILCIMEA	
101	GmANT1	LKRSQTQVMV	PTSSPKLEDF	LGGAATWGT.H	EY...GSHER	GLSLDSIYIN	150
	GmANT2	LRSQAQAMA	TTSTPKLENF	LGGEAMGTPH	HYECSATETM	PLSLDSVYF.	
	ANT	LNRSNHH	QDSSPKVEDF	FG.....TH	HNNTSHKEAM	DLSLDSLEYN	
151	GmANT1	SONAEAPNR	DLLSQPRQ.	....QGHMSV	QTHPYYSGLA	CHGLYQABLE	200
	GmANT2	IQFSRRDPNN	NQTYQNHVOH	ISTNOQQQQQ	ELQAYYSTLR	NHDMILEGSK	
	ANT	...TTHEPNT	TTNFQEFTSF	PQTRNHEEET	RNYGNDPSL.	THG.....	
201	GmANT1	BEYTKET...	HVSDCSSLMP	QMTGLKNWV	APTREF.STH	QOVLEQQMNC	250
	GmANT2	QSQTSDDNNL	HVQNMGGDDA	VPVPLGLKSW.	.EVRNFQASH	AHESKMIYPH	
	ANT	...GSPNVGV	YGEFQQLSL	SMSPGSQSSC	.....ITGSH	HHQONQONH	
251	GmANT1	GMGNERNGVS	LGSVGCGBELQ	SLSLMSPPGS	QSSCVT....	.APSGTDSA	300
	GmANT2	VENAGESGS	IGSMAYGDLQ	SLSLMSPPSS	QSSSVTSSHR	ASPAVDSVA	
	ANT	QSQNH.....	.....Q	QISEALVETS	VGFETT....	.....TWA	
301	GmANT1	VDAAKKRGHAK	...LGOKQPV	HRKSIDTFQ	RTSQYRGVTR	HRWTGRVEAH	350
	GmANT2	MDTKRGPEK	...VDQKOIV	HRKSIDTFQ	RTSQYRGVTR	HRWTGRVEAH	
	ANT	AAKKRQGED	VVVVGQKQIV	HRKSIDTFQ	RTSQYRGVTR	HRWTGRVEAH	
351	GmANT1	LWDNSCKKEG	QTRKGRQVYL	GGYDMEKAA	RAYDLAALKY	WGPSTHINF'S	400
	GmANT2	LWDNSCKKEG	QSRKGRQVYL	GGYDMEKAA	RAYDLAALKY	WGPSTHINF'P	
	ANT	LWDNSFKKEG	HSRKGRQVYL	GGYDMEKAA	RAYDLAALKY	WGPSTHTNFS	
401	GmANT1	IENYQVQLEE	MKNMSRQEVV	AHLRRKSSGF	SRGASIYRGV	TRHHQHGRWQ	450
	GmANT2	LENQNELEE	MKNTRQEVV	AHLRRKSSGF	SRGASMYRGV	TRHHQHGRWQ	
	ANT	AEYQKEIED	MKNTRQEVV	AHLRRKSSGF	SRGASIYRGV	TRHHQHGRWQ	
451	GmANT1	ARIGRVAGNK	DLYLGTFSTQ	EEAAEAYDVA	AIKFRGANAV	TNFDISRYDV	500
	GmANT2	ARIGRVAGNK	DLYLGTFSTQ	EEAAEAYDIA	AIKFRGANAV	TNFDITRYDV	
	ANT	ARIGRVAGNK	DLYLGTFGTQ	EEAAEAYDVA	AIKFRGTNAV	TNFDITRYDV	
501	GmANT1	ERIMASSNLL	AGELARRKID	NDRPNKIDIDY	NKSVVTSV.N	NEETVQVQAG	550
	GmANT2	EKIMASSNLL	SSELARRNRE	TDETQCIDQ	NHNKPSAYED	TQEALIMHOK	
	ANT	DRIMSSNTLL	SGELARN..	...NNSIVVR	NTEDQTALNA	VVEGGSNKEV	
551	GmANT1	NNNNENDSEW	KMVLFNHPSQ	OO.QANGNS	DQKIMNCGNY	RNSATSMALQ	600
	GmANT2	SCSEEND.QW	KMVLV.QSSQ	QL.EQNPTTI	E.....SDR	TNQSTFAVALD	
	ANT	STPBERLLSFP	AIFALPQVNQ	KMFGSNMCGN	MSPWTSNPNA	ELKTVALTLF	
601	GmANT1	DLIGIDSVGS	QOHNMDESS	KIGTHFSNTS	SLVTSLSSSR	EASPEKRGPS	650
	GmANT2	NMF.....	..HQEVEESS	KARTHVSNPS	SLATSLSSR	EGSPDRTSLP	
	ANT	QMPYFAAWAD	S.....	.....	.....	.....
651	GmANT1	LLFPMPMET	KIVNPIGTSV	TSWLPSPPTVQ	MRPSPALSLS	HLPVFASWTD	700
	GmANT2	MLSGMPSTAS	KLLAINPNV	NSWDPSHLR	...PALILP	QMPVFAAWTD	
	ANT	.....	.....	.....	.....	.....
701	GmANT1	T	.....	.....	.....	.....
	GmANT2	A	.....	.....	.....	.....
	ANT	..	.....	.....	.....	.....

Figure 2a

g1244708	1	-----	KKSFCDNDNNHSTTL	LG	SNMKKGGGRRAIY	-----	40																	
GmANT1	1	-----	MRINESNNTDD	NNH	GRS	P-HMKKEA	-----	31																
OsANT2	1	-----	MASGNSSSSGMAATA	GVGG	-----	P-HMATYCA	GV	DDVG-HHHH	-----	48														
GhANT1	1	-----	MS	-----	-----	D-RDESF	R	DHGGFP	-----	28														
GmANT2	1	-----	MSMENDDNADLN	QNHGFS	PMHNTGVSSHSPSSAAEVVPTSFYHHTAPLSSYGFY	-----	63																	
OsANT1	1	-----	MASGCGSS	ML	CF	SPHMPAEVPSSEPSTAHHH	-----	HHHHPPAA	-----	45														
g1244708	41	-----	SSSTSSAATSSSSVPP	AL	VGDNTSNFVCYGSNPNGG	-----	IYSHMSV	-----	85															
GmANT1	32	-----	TSAATVPTTYMSPSQ	-----	SHLSNFMCYGVGENGN	-----	FHSPLTY	-----	71															
OsANT2	49	-----	HHVHQHQHQHGGGL	LYN--	PAAVAS	FFYGGCHDAVVTSAAGGGSYYGAGFSS	99																	
GhANT1	29	-----	GLEAENVGLYSALP	-----	-----	-----	SV	-----	30															
GmANT2	64	-----	AAAGAGMSSPP	-----	-----	-----	1	-----	78															
OsANT1	46	-----	DATTNCNFL	SPPAAGM	APSPGYVGGAYGDGTSTAGVYY	-----	SHLPV	-----	103															
g1244708	86	-----	MPKSDG	CLM	ANP	SHSNHHQD	SPK	VE	FF	-----	THHN	-----	125											
GmANT1	72	-----	MPKSDG	ECT	AKRG	QTSVMVPT	SPK	VE	FF	-----	GATMGT	-----	113											
OsANT2	100	-----	MPKSDG	CLM	ALRG	DEGGQVYV	ASPK	VE	FF	-----	-----	-----	137											
GhANT1	31	-----	MPKSDG	CAV	PPFR	SIARDEDWRYENG	CGSATANEQ	QPK	VE	-----	CYSNSP	SQETKAYCGTHEN	98											
GmANT2	79	-----	MPKSDG	YGL	TSS	AGAMATT	TPK	VE	FF	-----	GEAMGT	PHHYECSATETMP	133											
OsANT1	104	-----	MPKSDG	CTN	CMF	-----	SPK	VE	FF	-----	-----	-----	131											
g1244708	126	-----	NTSHKEAMDLSL	DLFYN	-----	TTHPNTTTNFQEFFS	-----	-----	-----	-----	-----	-----	159											
GmANT1	114	-----	HEYGSHERGL	SLDSIY	NSQNAEADPNRDLL	SQPFQQGHMSVQT	-----	-----	-----	-----	-----	-----	158											
OsANT2	138	-----	AGPAMAL	SLNSA	YGGHGHQGHQAQGGGAVGGDPHHGG	-----	-----	-----	-----	-----	-----	-----	177											
GhANT1	99	-----	QNTVPSPTRINVN	VAPNYS	SSGD	-----	-----	-----	-----	-----	-----	-----	152											
GmANT2	134	-----	LSLDSVFYIQPS	RRDPNNQTY	-----	QNHVQHI	STNQQQQQQL	QAYYSTLRNHDMLE	-----	-----	-----	-----	188											
OsANT1	132	-----	CGNGSGH	DPAT	YSSGQEA	DASRAAYQHHQLVP	-----	-----	-----	-----	-----	-----	165											
g1244708	160	-----	FP	TRNHE	ETRN	YGN	-----	PSLTHGG	FN	GVYGEF	-----	QQLSLSMSP	-----	205										
GmANT1	159	-----	HPYVSLGLACH	LY	CAPI	EE	TTKETHVSD	CSLLMP	QMT	EG	GLKN	WAP	TRF	STH	QVLEQ	QMC	MGN	-----	226					
OsANT2	178	-----	GFL	CAV	IPGAGAG	-----	HD	-----	AALVHDQ	SAAV	AAQAA	AM	GGGYDDIANAAADDV	-----	228									
GhANT1	153	-----	HSLQ	CDP	NP	NHNR	-----	SG	-----	VHVVPFE	SAT	SVSGFKS	ULR	AT	PF	PGGKAS	-----	201						
GmANT2	189	-----	SK	QST	SDNN	LHVQ	NMG	-----	GDDAV	VP	GL	SM	VRNF	QASHA	ESK	MI	VPHVEENAG	-----	245					
OsANT1	166	-----	YNY	PLTEA	ML	QEA	AAAP	-----	MEDAM	AAA	-----	K	NEL	TSY	GAC	YGN	-----	EMPQPLSLSMSP	-----	219				
g1244708	206	-----	QSC	CITG	SHHQ	NNQ	NHQS	NHQ	QISEAL	VET	YGF	ETT	IAAK	-----	QEDV	VWV	-----	QEDVWVW	-----	272				
GmANT1	227	-----	ENGVSLG	V	CG	LS	SL	SM	PGS	Q	SCVT	APS	-----	GTDS	AVDA	-----	AKL	Q	QVHRK	-----	287			
OsANT2	229	-----	CAAGPI	IP	TG	HL	PLT	SM	SSAG	SS	CVTV	QAA	AGEP	YMA	DAVS	-----	ADR	Q	QVHRK	-----	294			
GhANT1	202	-----	ETNN	NF	AL	SL	TM	-----	PT	RNG	FPA	AP	-----	EV	DN	ARP	-----	VG	NLT	SPRK	-----	252		
GmANT2	246	-----	ESG	IG	SMAY	DL	SL	SM	SP	-----	SS	SVT	SSHR	SPAV	DS	AMDT	-----	K	Q	QVHRK	-----	309		
OsANT1	220	-----	GSQ	SSCV	AA	PQ	HQ	Q	MAV	VA	-----	AAA	GDG	QGS	N	DGG	Q	RG	-----	G	Q	QVHRK	-----	280

[illegible]

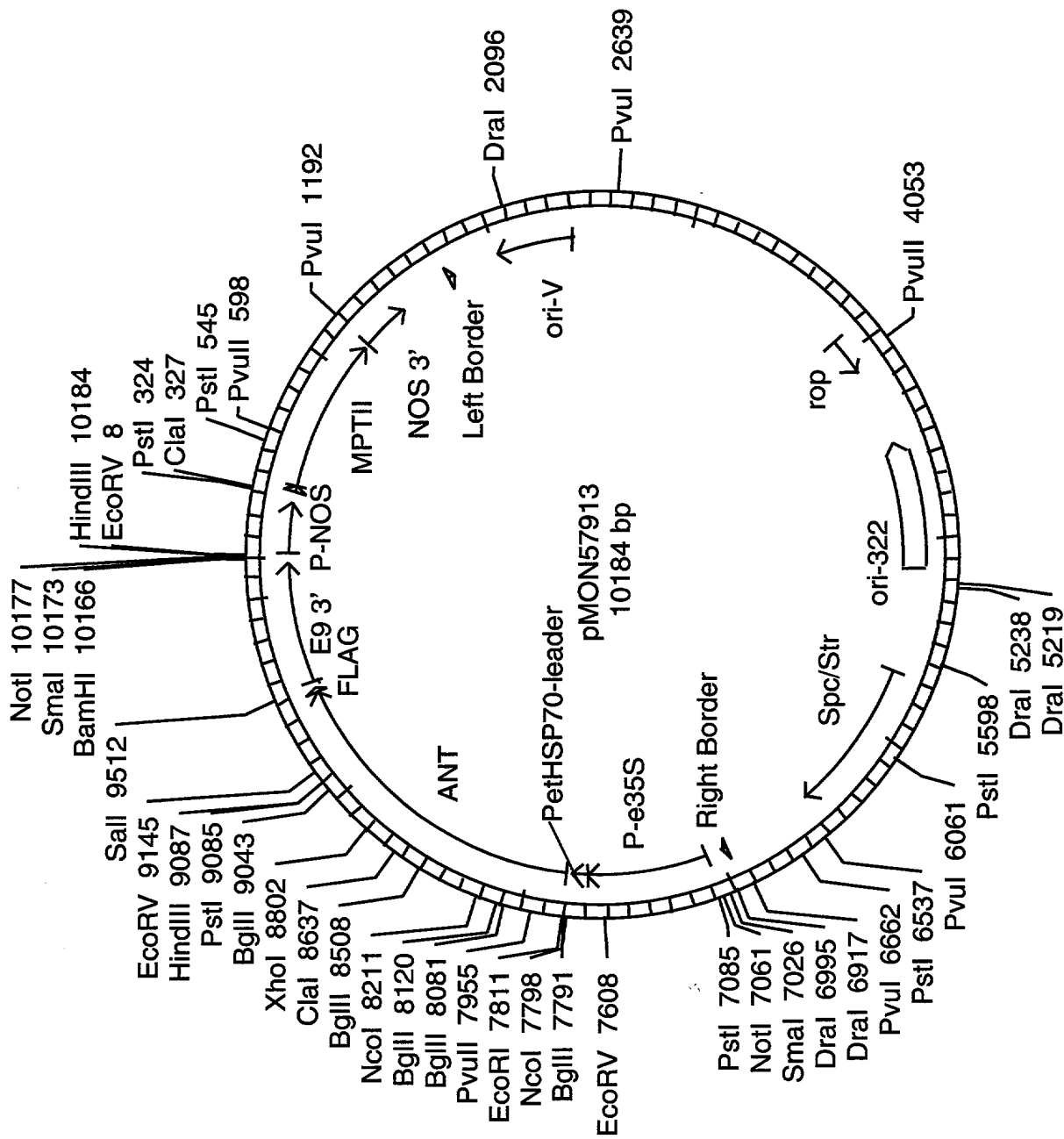


Figure 4

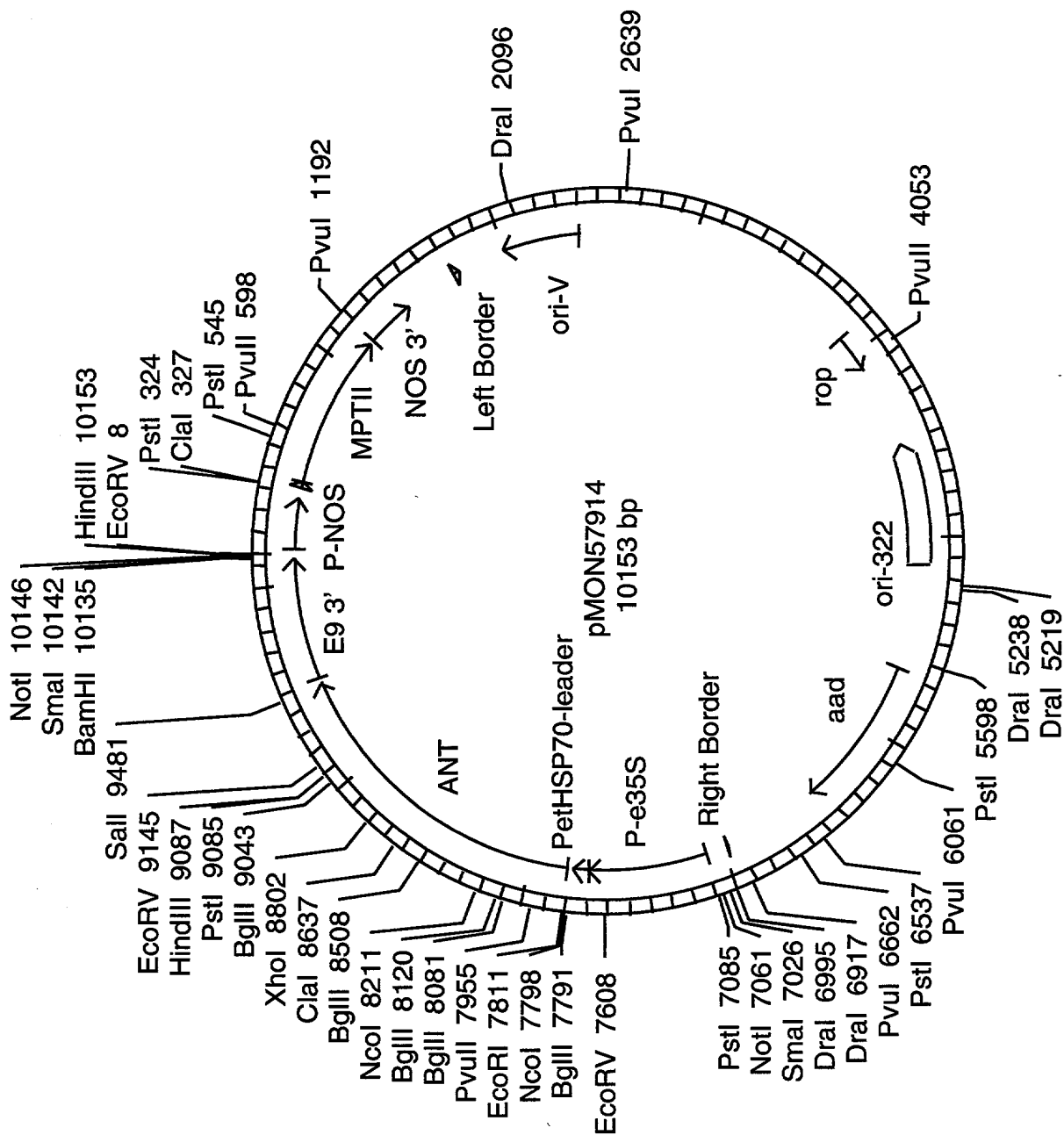
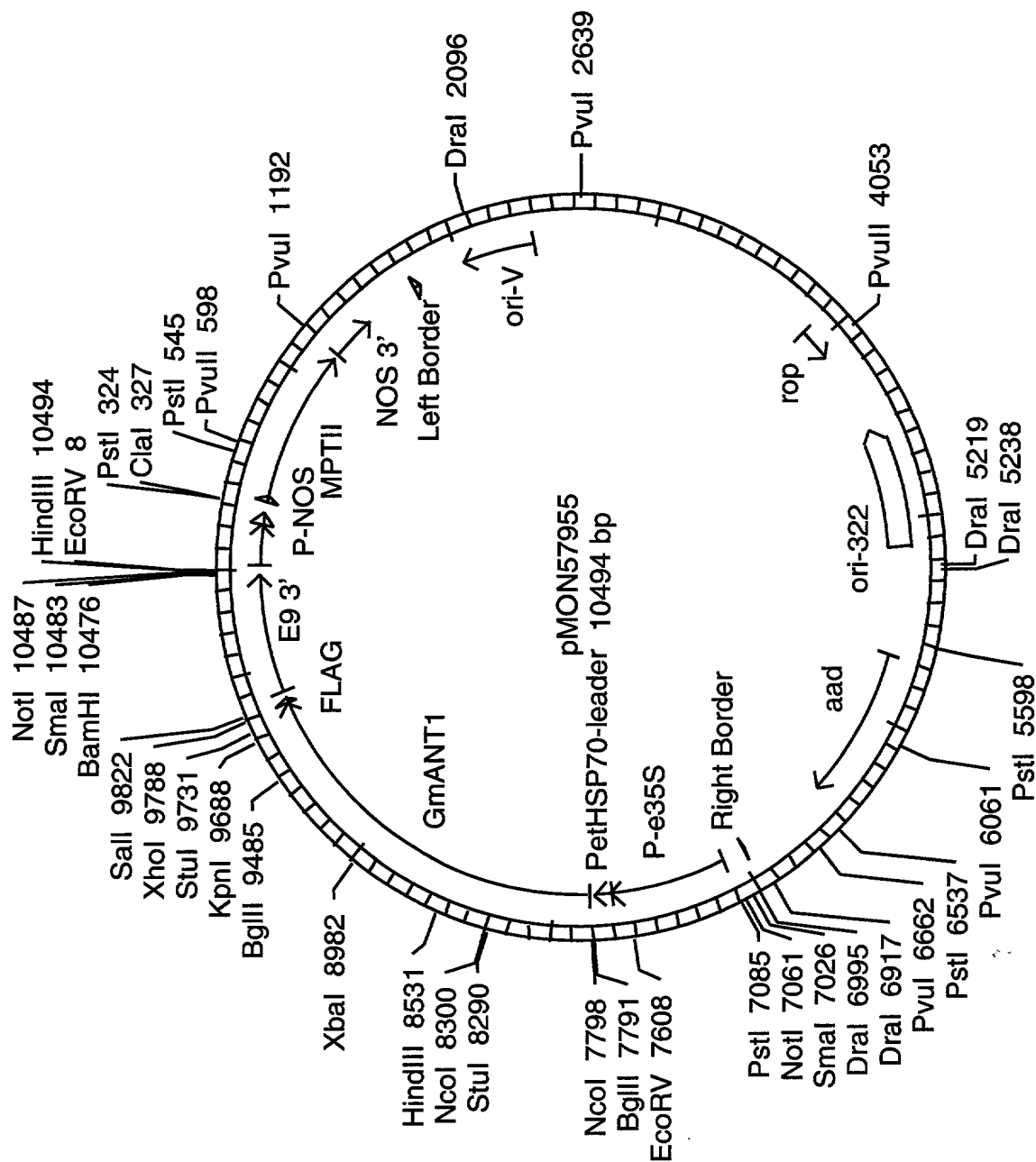


Figure 5

Figure 6



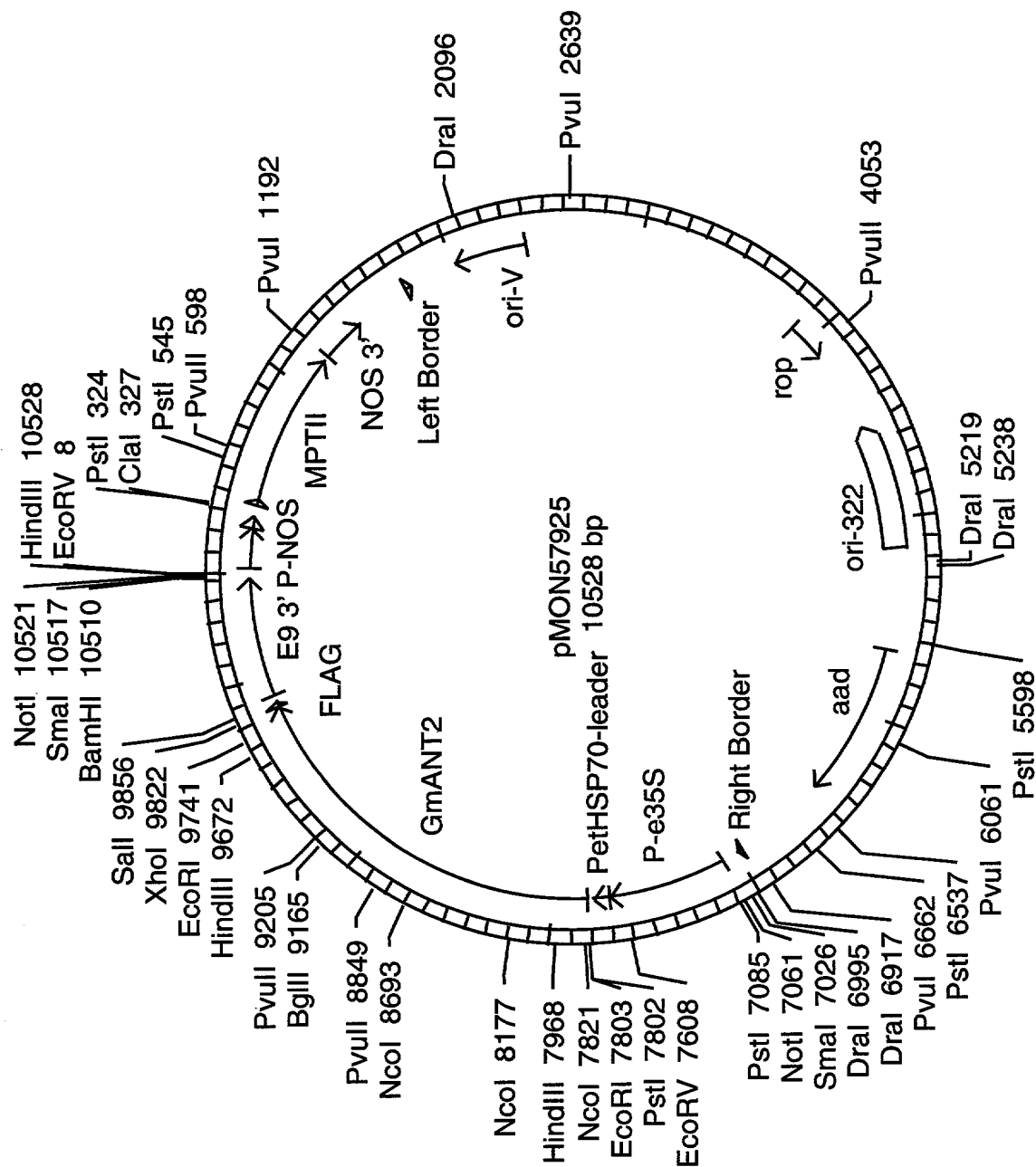


Figure 7

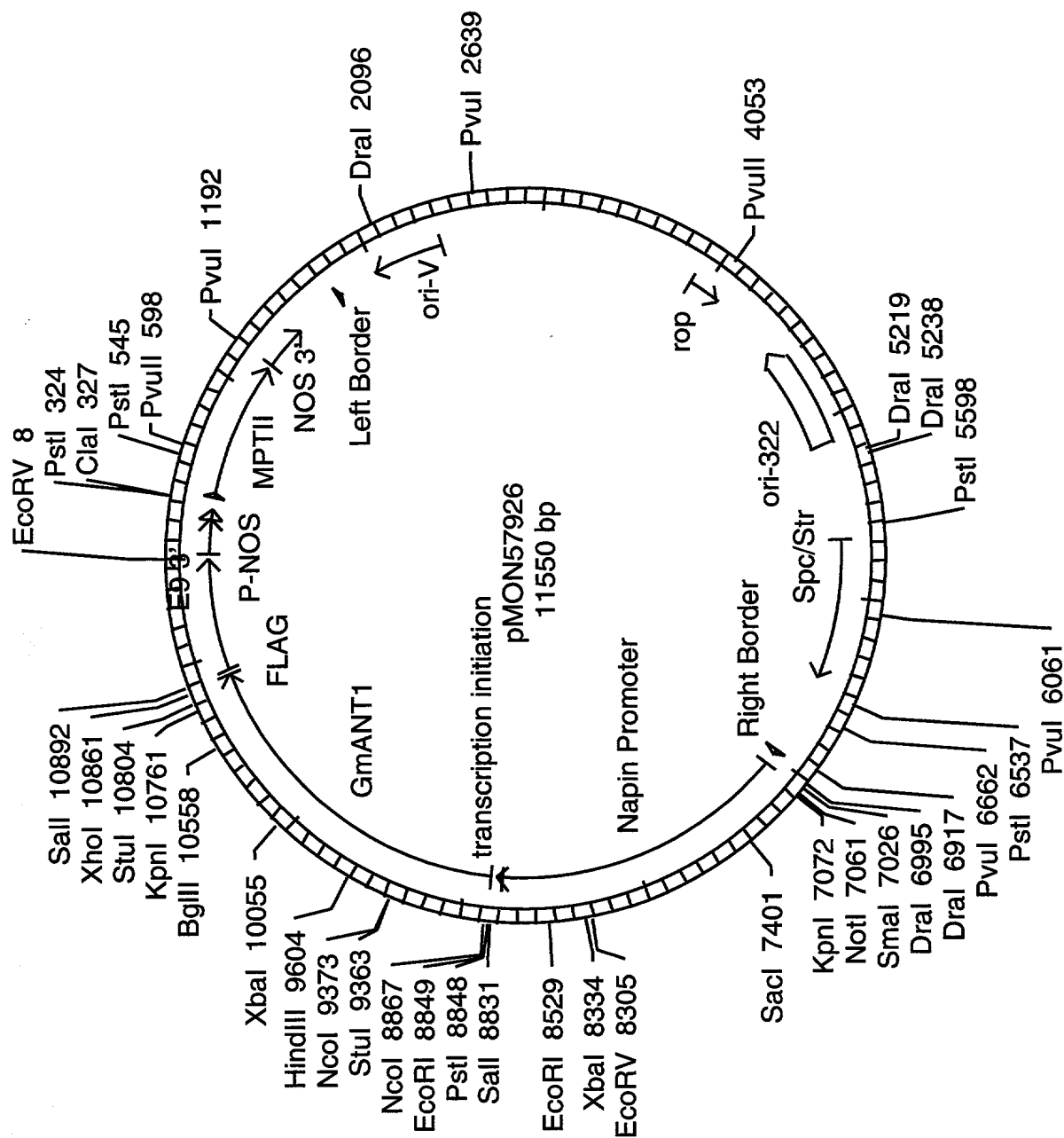


Figure 8

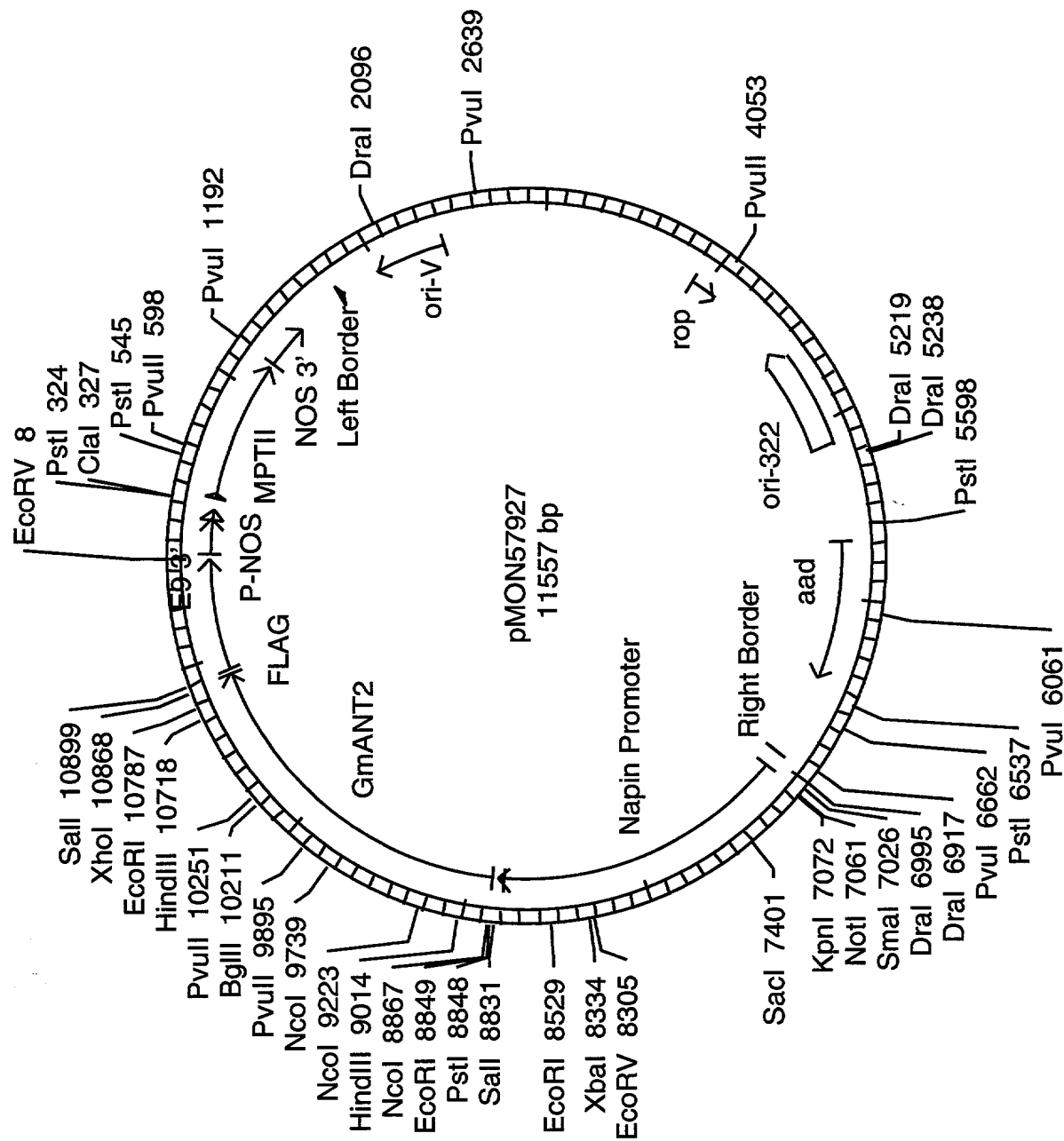
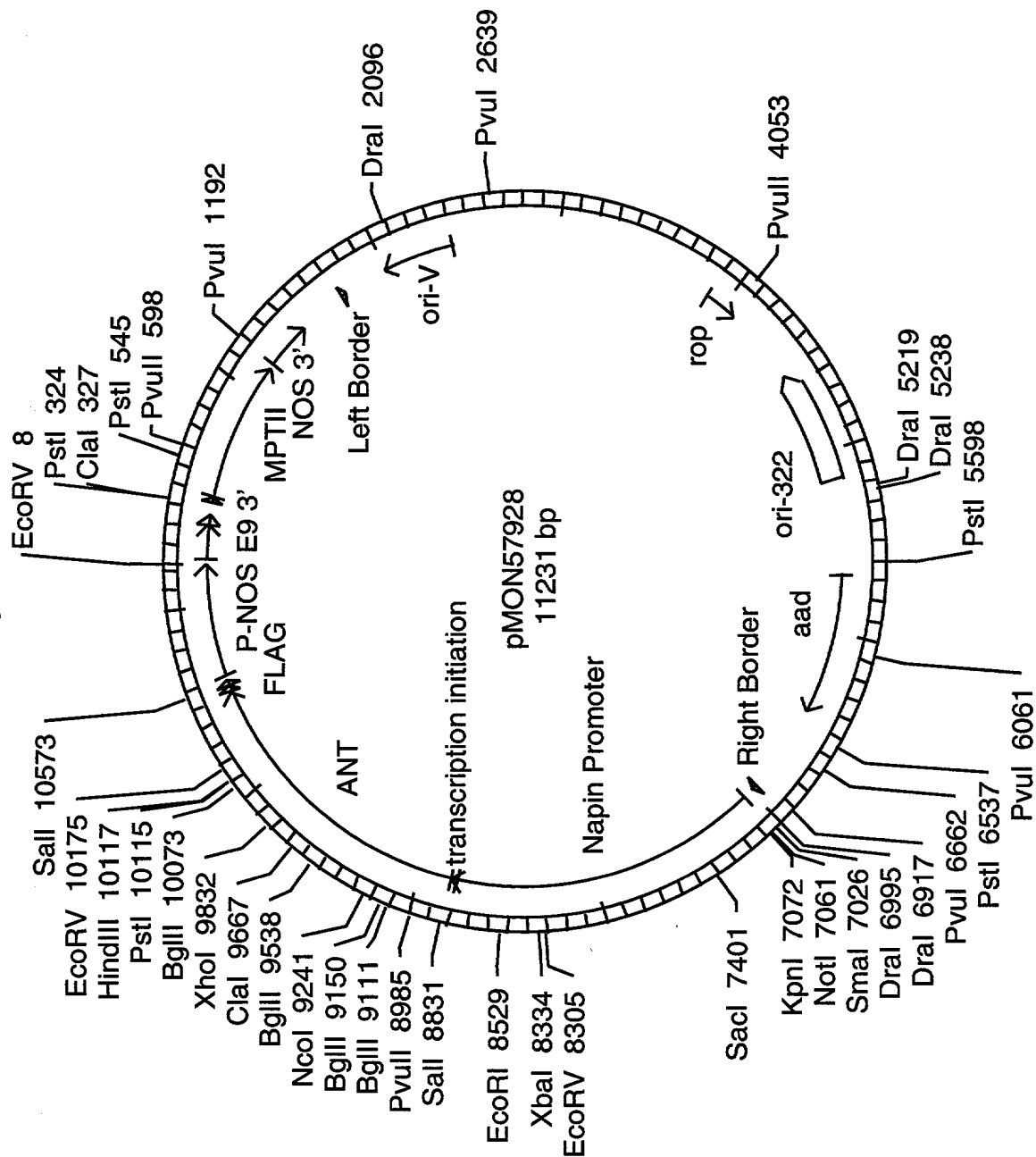


Figure 9

Figure 10



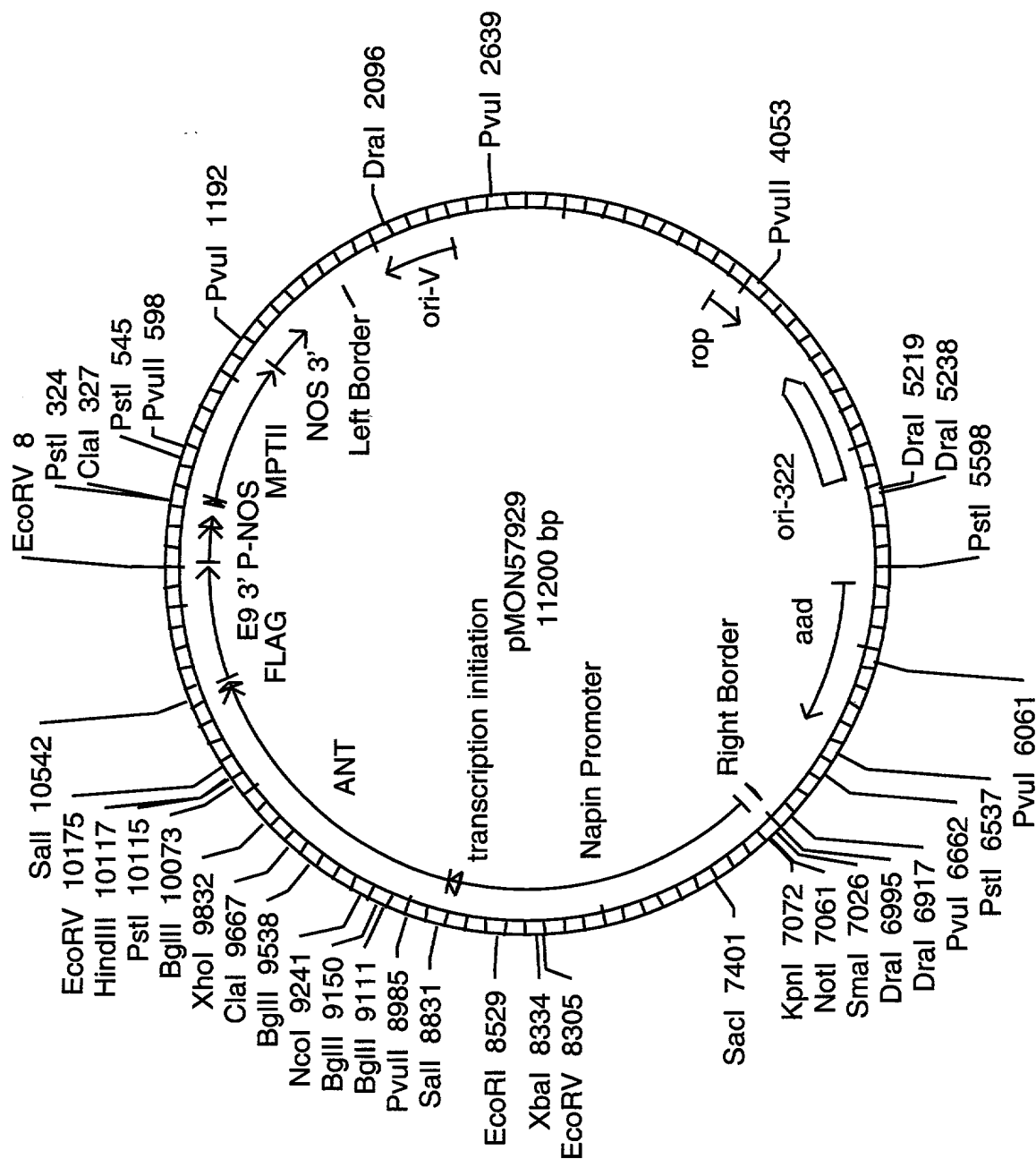


Figure 11

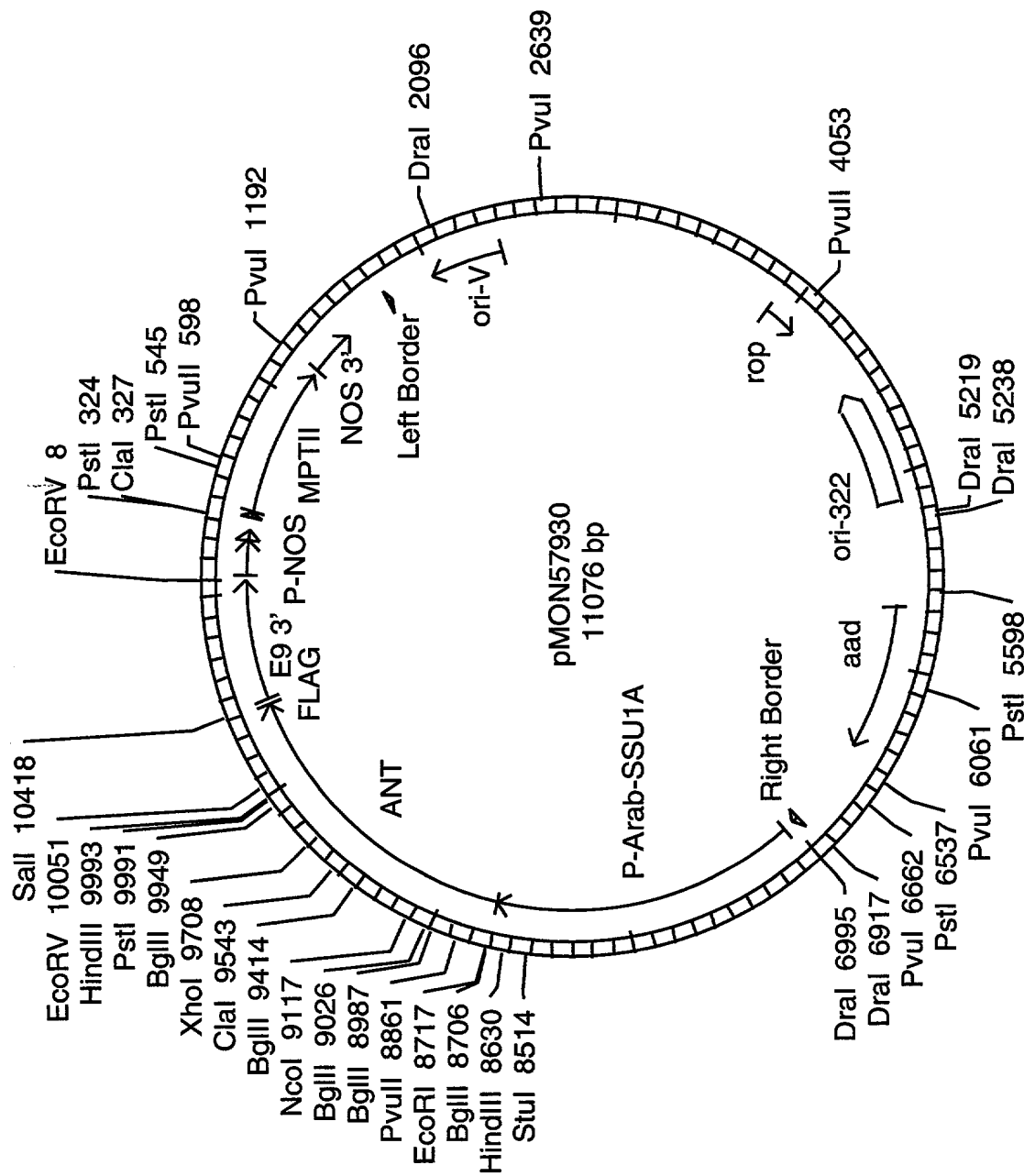


Figure 12

Figure 13

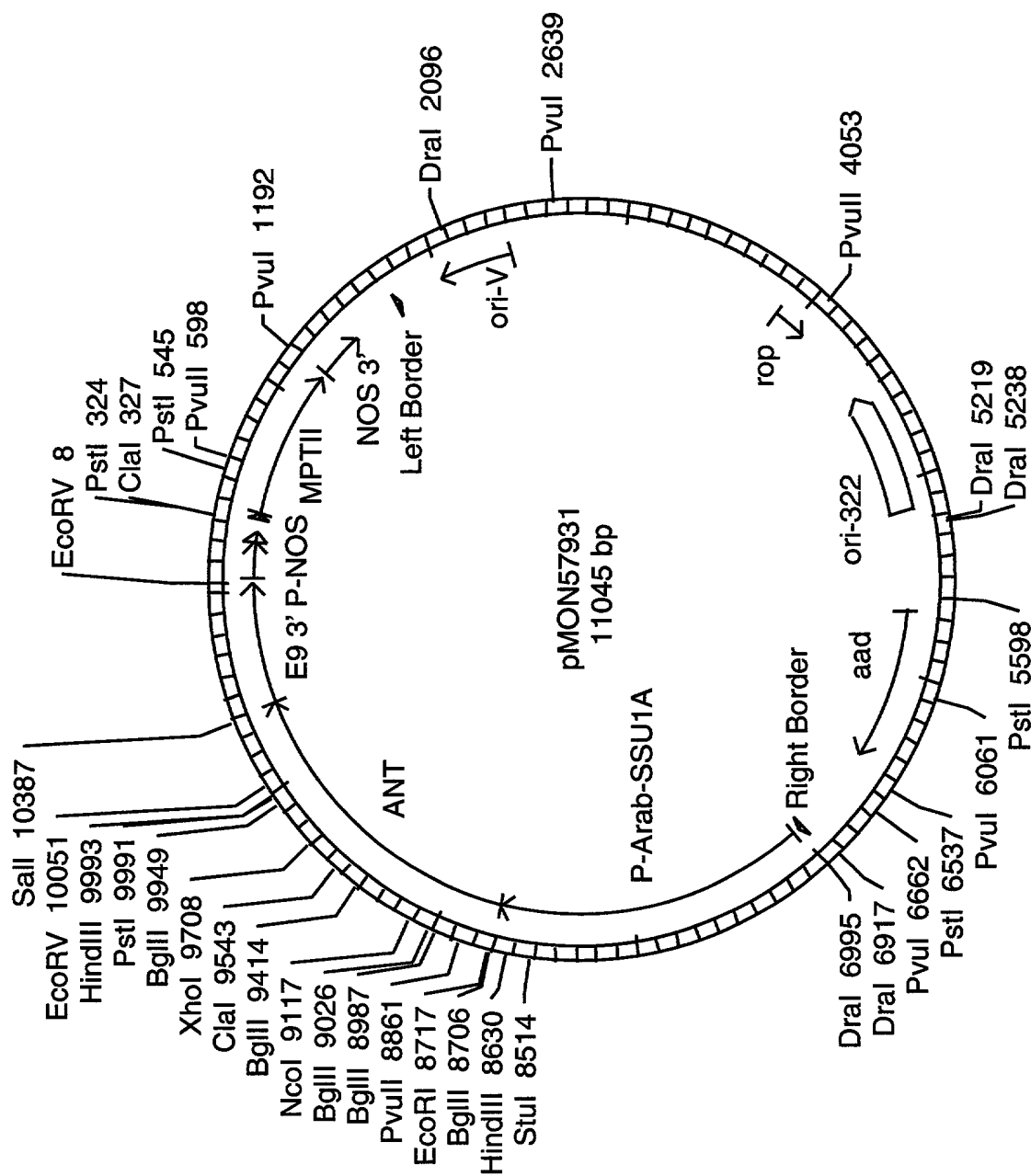


Figure 14

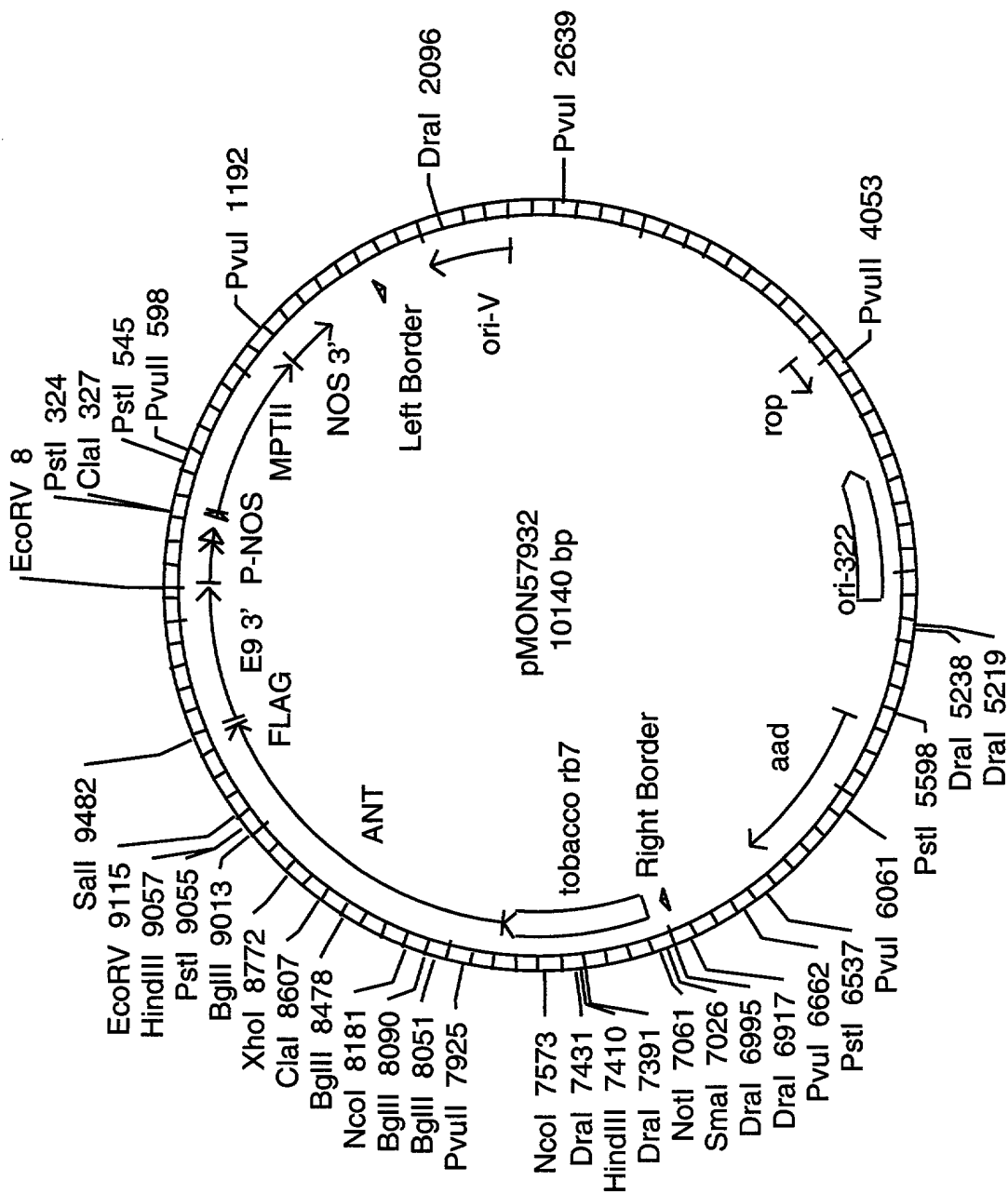


Figure 15

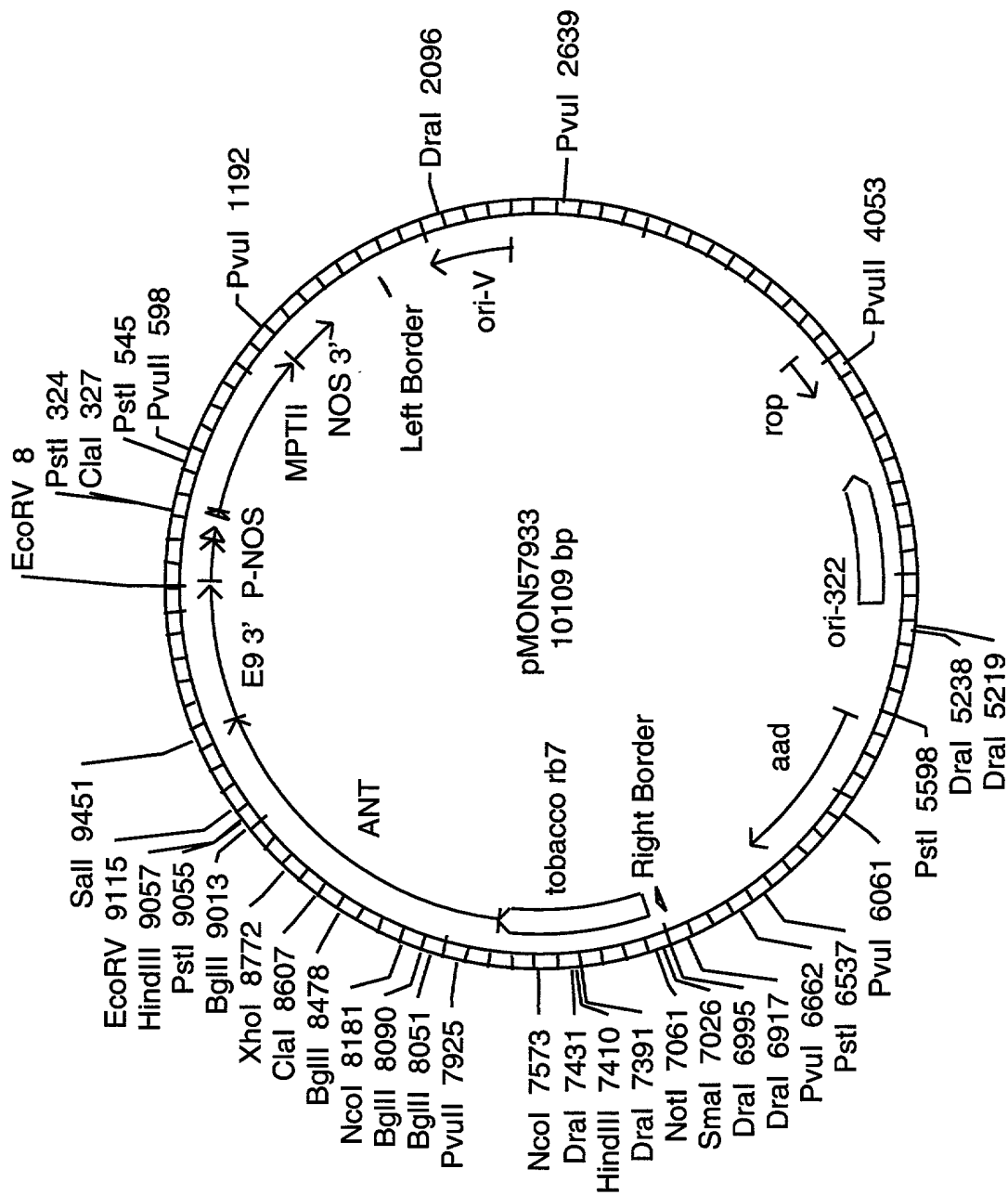


Figure 16

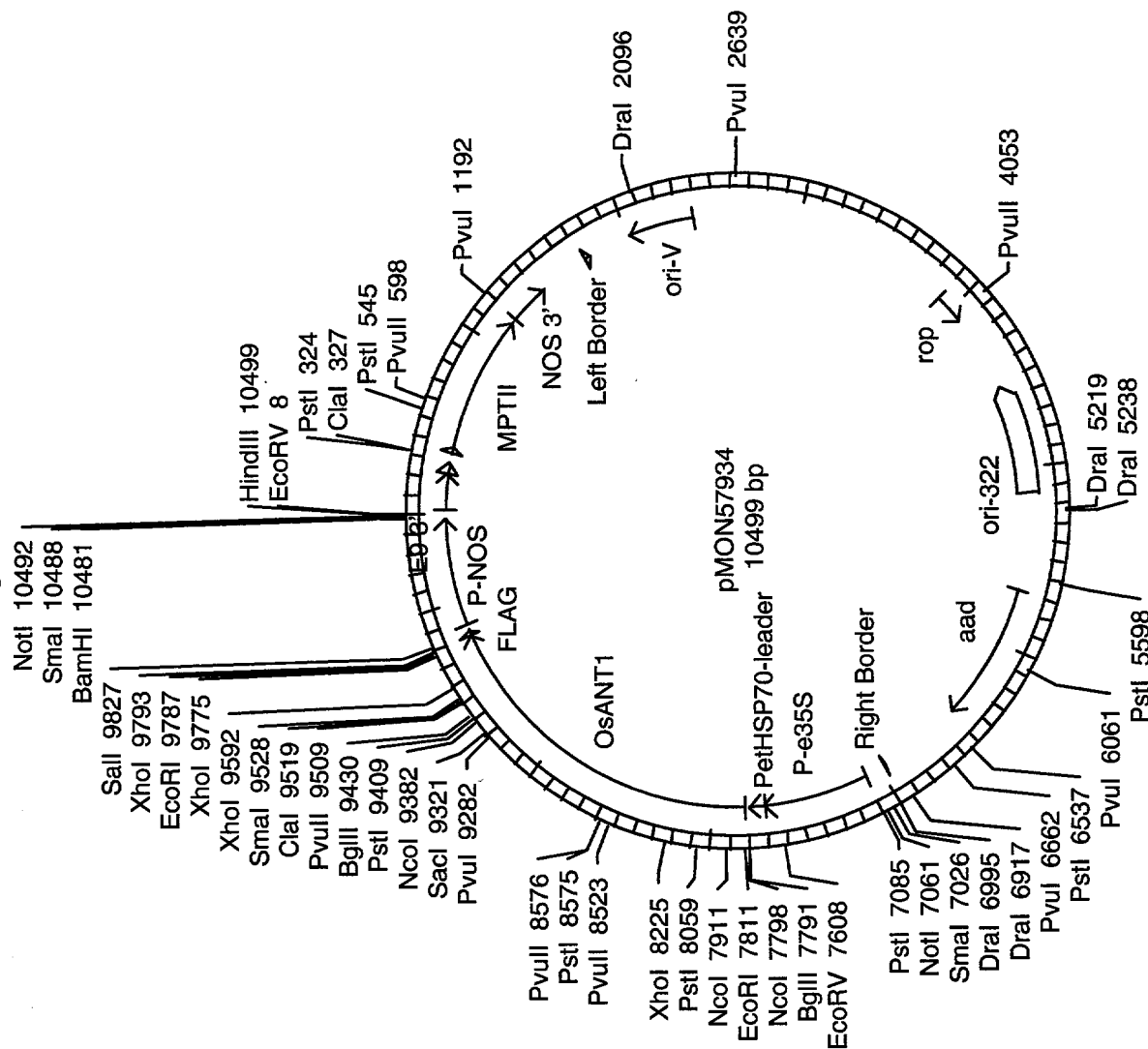


Figure 17

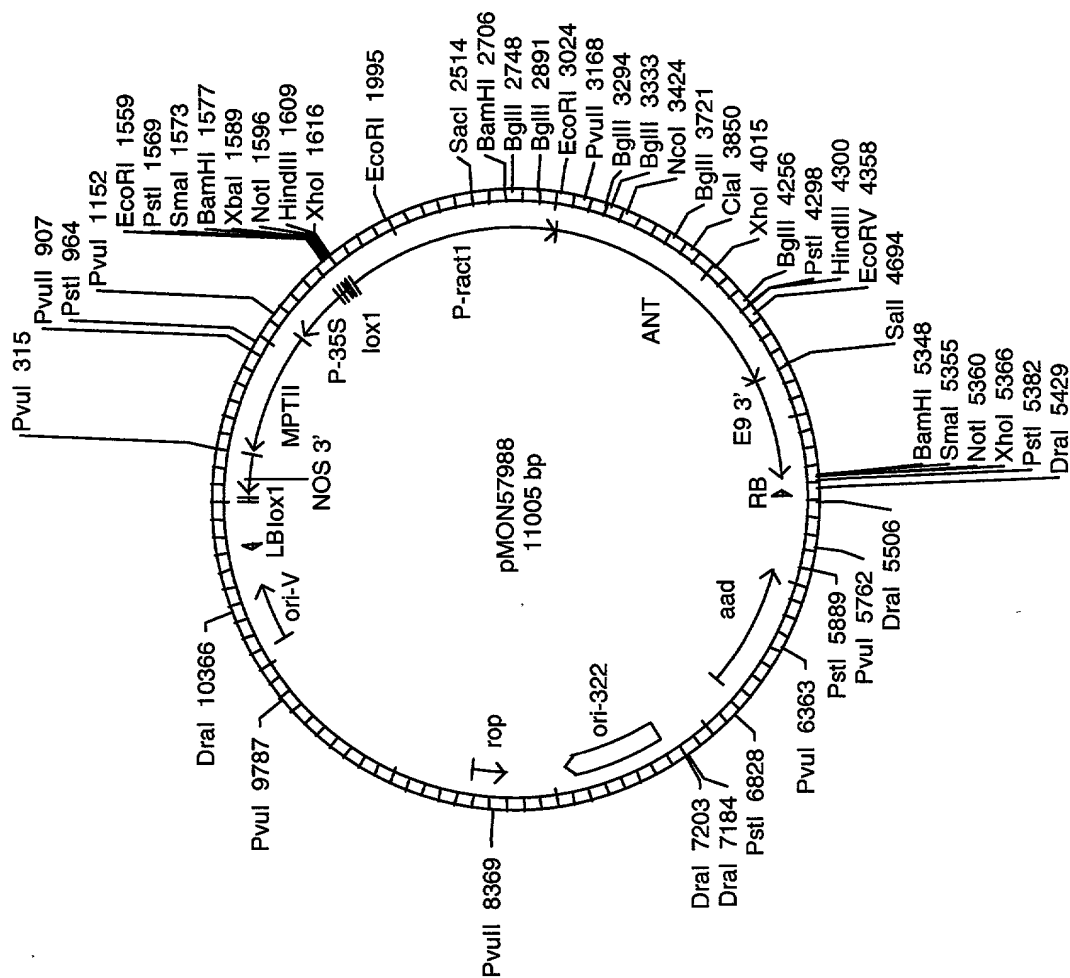


Figure 18

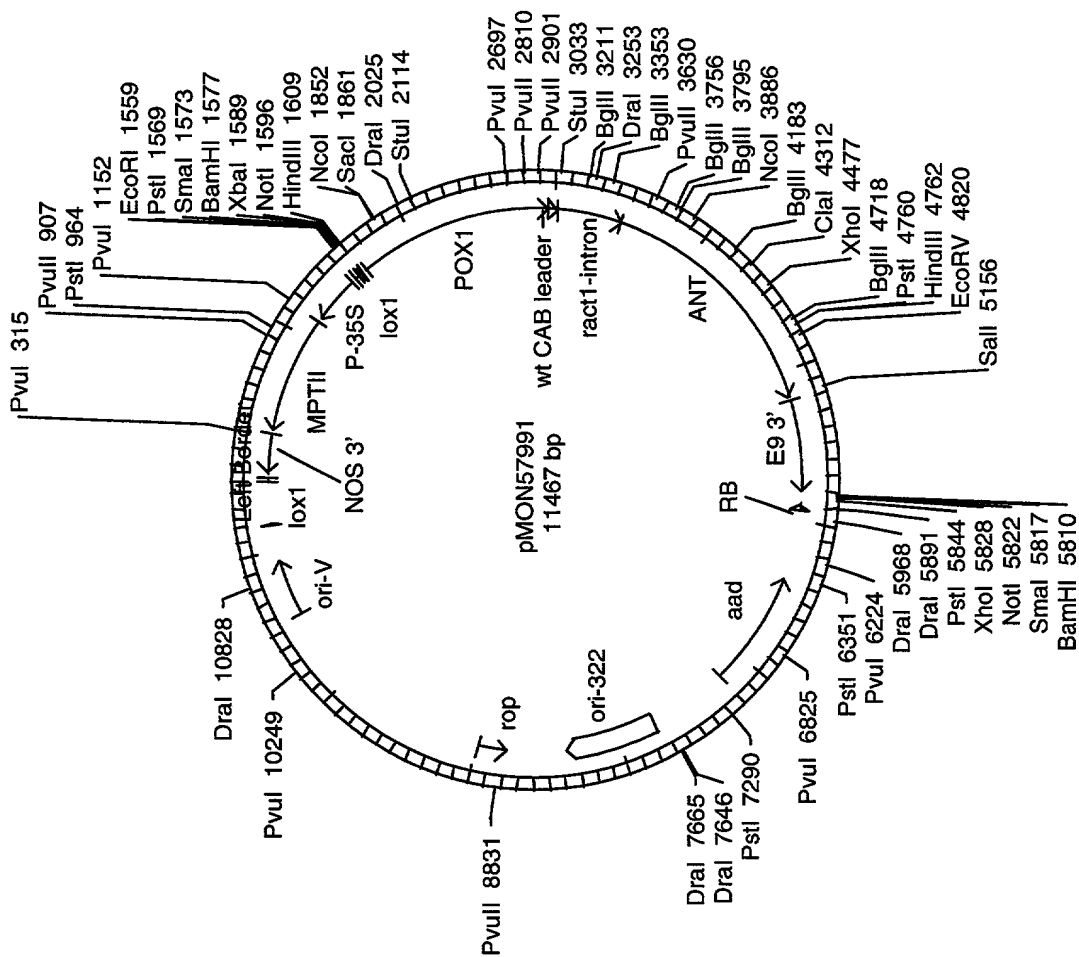


Figure 19

